Test Report
Impact test

Project Name	Providing Children Play Equipments and Senior Citizen Gym Equipments and Landscape Development to Parks in Ward no. 07, Byadrayanapura of Yelahanka Zone
Client	Project Division Yelahanka ZONE
Job No	MCTPL/BBMP/YNK/PMC/W-7/2018-2019/QR/1
Mix Type	Plain Cement Concrete (1:4:8)
Contractor	Sri A.Sathish Gowda
Test Method	IS : 2386 (Part - 4) 1963 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	At Site
Material	Coarse aggregates
Sample No	1
Date	4-Jul-2018

Sl. No.	Determination	Unit	Trails	
1	Weight of empty cylinder, w1	gm	960	960
2	Weight of container filled with Aggregate, w2	gm	1303	1305
3	Weight of the Aggregate before compaction, (w2 - w1) = w3	gm	343	345
4	Weight of the sample passing through 2.36 mm IS sieves after Impact, w4	gm	81	79
5	Weight of the sample retained on 2.36 mm IS sieve after Impact, w5	gm	262	266
6	Aggregate Impact Value (w4 / w3)x100	%	23.62	22.90
7	Specified Limit	%	45.00	

Results: Average Aggregate Impact Value: **23.26** %

Note:

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Test Report
Concrete Compresive strength

Project Name	Providing Children Play Equipments and Senior Citizen Gym Equipments and Landscape Development to Parks in Ward no. 07, Byadrayanapura of Yelahanka Zone
Client	Project Division Yelahanka ZONE
Lab No	MCTPL/BBMP/YNK/PMC/W-7/2018-2019/QR/1
Mix Type	Concrete(M15)
Contractor	Sri A.Sathish Gowda
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Bay
Material	Concrete
Sample No	1
Date	27-Jul-2018

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength
1	20	7	6.79	150*150*150	2011.85	320	0.0225	14.22	14.00	14.13
2	20	7	6.83	150*150*150	2023.70	310	0.0225	13.78		
3	20	7	6.69	150*150*150	1981.93	315	0.0225	14.00		
4	20	7	7.01	150*150*150	2077.04	318	0.0225	14.13	14.27	
5	20	7	6.82	150*150*150	2020.74	325	0.0225	14.44		
6	20	7	6.79	150*150*150	2012.15	320	0.0225	14.22		

Results: 7-days Compressive strength of cement is 14.13 N/mm2

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Test Report
Concrete Compresive strength

Project Name	Providing Children Play Equipments and Senior Citizen Gym Equipments and Landscape Development to Parks in Ward no. 07, Byadrayanapura of Yelahanka Zone
Client	Project Division Yelahanka ZONE
Lab No	MCTPL/BBMP/YNK/PMC/W-7/2018-2019/QR/1
Mix Type	Concrete(M15)
Contractor	Sri A.Sathish Gowda
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Bay
Material	Concrete
Sample No	2
Date	27-Jul-2018

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength
1	20	7	6.71	150*150*150	1988.15	254	0.0225	11.29	11.85	11.86
2	20	7	6.73	150*150*150	1994.07	274	0.0225	12.18		
3	20	7	6.62	150*150*150	1961.48	272	0.0225	12.09		
4	20	7	6.91	150*150*150	2047.41	256	0.0225	11.38	11.87	
5	20	7	6.73	150*150*150	1994.07	267	0.0225	11.87		
6	20	7	6.75	150*150*150	2000.00	278	0.0225	12.36		

Remarks: 7days Compressive strength of cement is 11.86 N/mm2

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Test Report
Concrete Compresive strength

Project Name	Providing Children Play Equipments and Senior Citizen Gym Equipments and Landscape Development to Parks in Ward no. 07, Byadrayanapura of Yelahanka Zone
Client	Project Division Yelahanka ZONE
Job No	MCTPL/BBMP/YNK/PMC/W-7/2018-2019/QR/1
Mix Type	Concrete(M15)
Contractor	Sri A.Sathish Gowda
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Bay
Material	Concrete
Sample No	3
Date	6-Sep-2018

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength
1	20	7.00	6.80	150*150*150	2014.81	256.00	0.0225	11.38	11.94	11.95
2	20	7.00	6.82	150*150*150	2020.74	276.00	0.0225	12.27		
3	20	7.00	6.71	150*150*150	1988.15	274.00	0.0225	12.18		
4	20	7.00	7.00	150*150*150	2074.07	258.00	0.0225	11.47	11.96	
5	20	7.00	6.82	150*150*150	2020.74	269.00	0.0225	11.96		
6	20	7.00	6.84	150*150*150	2026.67	280.00	0.0225	12.44		

Results: 7-days Compressive strength of cement is 11.95 N/mm2

Note:

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Test Report
Concrete Compresive strength

Project Name	Providing Children Play Equipments and Senior Citizen Gym Equipments and Landscape Development to Parks in Ward no. 07, Byadrayanapura of Yelahanka Zone
Client	Project Division Yelahanka ZONE
Lab No	MCTPL/BBMP/YNK/PMC/W-7/2018-2019/QR/1
Mix Type	Concrete(M15)
Contractor	Sri A.Sathish Gowda
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Bay
Material	Concrete
Sample No	4
Date	6-Sep-2018

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength
1	20	7	6.90	150*150*150	2044.44	258.00	0.0225	11.47	12.03	12.04
2	20	7	6.92	150*150*150	2050.37	278.00	0.0225	12.36		
3	20	7	6.81	150*150*150	2017.78	276.00	0.0225	12.27		
4	20	7	7.10	150*150*150	2103.70	260.00	0.0225	11.56	12.04	
5	20	7	6.92	150*150*150	2050.37	271.00	0.0225	12.04		
6	20	7	6.94	150*150*150	2056.30	282.00	0.0225	12.53		

Remarks: 7-days Compressive strength of cement is 12.04 N/mm2

Note:

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Test Report
Concrete Compresive strength

Project Name	Providing Children Play Equipments and Senior Citizen Gym Equipments and Landscape Development to Parks in Ward no. 07, Byadrayanapura of Yelahanka Zone
Client	Project Division Yelahanka ZONE
Job No	MCTPL/BBMP/YNK/PMC/W-7/2018-2019/QR/1
Mix Type	Concrete(M15)
Contractor	Sri A.Sathish Gowda
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Bay
Material	Concrete
Sample No	1
Date	17-Aug-2018

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength
1	20	28	7.91	150*150*150	2343.70	426.00	0.0225	18.93	19.42	19.64
2	20	28	7.82	150*150*150	2317.04	435.00	0.0225	19.33		
3	20	28	7.70	150*150*150	2281.48	450.00	0.0225	20.00		
4	20	28	7.95	150*150*150	2355.56	462.00	0.0225	20.53	19.87	
5	20	28	7.90	150*150*150	2340.74	442.00	0.0225	19.64		
6	20	28	7.91	150*150*150	2343.70	437.00	0.0225	19.42		

Results: 28-days Compressive strength of cement is 19.64 N/mm2

Note:

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Test Report

Concrete Compresive strength

Project Name	Providing Children Play Equipments and Senior Citizen Gym Equipments and Landscape Development to Parks in Ward no. 07, Byadrayanapura of Yelahanka Zone
Client	Project Division Yelahanka ZONE
Job No	MCTPL/BBMP/YNK/PMC/W-7/2018-2019/QR/1
Mix Type	Concrete(M15)
Contractor	Sri A.Sathish Gowda
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Bay
Material	Concrete
Sample No	2
Date	17-Aug-2018

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength
1	20	28	8.01	150*150*150	2373.33	428.00	0.0225	19.02	19.51	19.73
2	20	28	7.92	150*150*150	2346.67	437.00	0.0225	19.42		
3	20	28	7.80	150*150*150	2311.11	452.00	0.0225	20.09		
4	20	28	8.05	150*150*150	2385.19	464.00	0.0225	20.62	19.96	
5	20	28	8.00	150*150*150	2370.37	444.00	0.0225	19.73		
6	20	28	8.01	150*150*150	2373.33	439.00	0.0225	19.51		

Results: 28-days Compressive strength of cement is 19.73 N/mm2

Note:

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Test Report
Concrete Compresive strength

Project Name	Providing Children Play Equipments and Senior Citizen Gym Equipments and Landscape Development to Parks in Ward no. 07, Byadrayanapura of Yelahanka Zone
Client	Project Division Yelahanka ZONE
Job No	MCTPL/BBMP/YNK/PMC/W-7/2018-2019/QR/1
Mix Type	Concrete(M15)
Contractor	Sri A.Sathish Gowda
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Bay
Material	Concrete
Sample No	3
Date	27-Sep-2018

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength
1	20	28	8.10	150*150*150	2400.00	430	0.0225	19.11	19.60	19.82
2	20	28	8.01	150*150*150	2373.33	439	0.0225	19.51		
3	20	28	7.89	150*150*150	2337.78	454	0.0225	20.18		
4	20	28	8.14	150*150*150	2411.85	466	0.0225	20.71	20.04	
5	20	28	8.09	150*150*150	2397.04	446	0.0225	19.82		
6	20	28	8.10	150*150*150	2400.00	441	0.0225	19.60		

Results: 28-days Compressive strength of cement is 19.82 N/mm2

Note:

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Test Report
Concrete Compresive strength

Project Name	Providing Children Play Equipments and Senior Citizen Gym Equipments and Landscape Development to Parks in Ward no. 07, Byadrayanapura of Yelahanka Zone
Client	Project Division Yelahanka ZONE
Job No	MCTPL/BBMP/YNK/PMC/W-7/2018-2019/QR/1
Mix Type	Concrete(M15)
Contractor	Sri A.Sathish Gowda
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Bay
Material	Concrete
Sample No	4
Date	27-Sep-2018

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength
1	20	28	8.20	150*150*150	2429.63	432	0.0225	19.20	19.69	19.91
2	20	28	8.11	150*150*150	2402.96	441	0.0225	19.60		
3	20	28	7.99	150*150*150	2367.41	456	0.0225	20.27		
4	20	28	8.24	150*150*150	2441.48	468	0.0225	20.80	20.13	
5	20	28	8.19	150*150*150	2426.67	448	0.0225	19.91		
6	20	28	8.20	150*150*150	2429.63	443	0.0225	19.69		

Results: 28-days Compressive strength of cement is 19.91 N/mm2

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